

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/IL2004/000692

**A. CLASSIFICATION OF SUBJECT MATTER**

IPC 7 C12Q1/68

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C12Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, EMBASE, BIOSIS, PAJ, WPI Data

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 326 144 B1 (MIKULEC FREDERICK V ET AL) 4 December 2001 (2001-12-04) column 14, paragraphs 2,3	1-3,5, 7-10,32 4,6, 11-20, 22,31, 33-36
Y	figure 3	
X	WILLARD D M ET AL: "CDSE-ZNS QUANTUM DOTS AS RESONANCE ENERGY TRANSFER DONORS IN A MODEL PROTEIN-PROTEIN BINDING ASSAY" NANO LETTERS, AMERICAN CHEMICAL SOCIETY, WASHINGTON, DC, US, vol. 1, no. 9, 2001, pages 469-474, XP002908558 ISSN: 1530-6984	21, 23-28,32
Y	the whole document	22,29-31
		-/-

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

° Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- "&" document member of the same patent family

Date of the actual completion of the international search

3 December 2004

Date of mailing of the International search report

15/12/2004

Name and mailing address of the ISA

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 5 945 283 A (CHEN XIANGNING ET AL) 31 August 1999 (1999-08-31) figure 1 column 5 ----- DE 101 17 866 A (NANOTYPE GMBH) 17 October 2002 (2002-10-17)  paragraphs '0005!, '0008!, '0092! claims 1,31,33,76 ----- US 5 856 096 A (FLETCHER TERACE M ET AL) 5 January 1999 (1999-01-05) column 2 - column 3 figure 5 ----- UEHARA H ET AL: "Detection of telomerase activity utilizing energy transfer primers: comparison with gel- and ELISA-based detection" BIOTECHNIQUES, EATON PUBLISHING, NATICK, US, vol. 26, no. 3, 1999, pages 552-558, XP002276810 ISSN: 0736-6205 page 553 figure 1 ----- PATOLSKY FERNANDO ET AL: "Lighting-up the dynamics of telomerization and DNA replication by CdSe-ZnS quantum dots." JOURNAL OF THE AMERICAN CHEMICAL SOCIETY. 19 NOV 2003, vol. 125, no. 46, 19 November 2003 (2003-11-19), pages 13918-13919, XP002308092 ISSN: 0002-7863 the whole document -----	11-14  4,6, 11-20, 29-31, 33-36  15,18  15,19,20  1-36

## INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/IL2004/000692

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
US 6326144	B1	04-12-2001	AT AT AU CA DE DE DE EP EP EP EP GB JP JP JP WO WO WO US US US AU CA US US US US	234468 T 273515 T 6392399 A 2344478 A1 69905832 D1 69905832 T2 69919368 D1 1271154 A2 0990903 A1 1116036 A1 1113986 A2 2342651 A ,B 2003524147 T 2002525394 T 2003523718 T 0017103 A2 0017655 A1 0017642 A2 6306610 B1 2001023078 A1 2004217298 A1 1092300 A 2344145 A1 2002160412 A1 6617583 B1 6602671 B1 2004038310 A1	15-03-2003 15-08-2004 10-04-2000 30-03-2000 17-04-2003 05-02-2004 16-09-2004 02-01-2003 05-04-2000 18-07-2001 11-07-2001 19-04-2000 12-08-2003 13-08-2002 12-08-2003 30-03-2000 30-03-2000 30-03-2000 23-10-2001 20-09-2001 04-11-2004 10-04-2000 30-03-2000 31-10-2002 09-09-2003 05-08-2003 26-02-2004
US 5945283	A	31-08-1999	US AU AU CA EP IL JP JP WO	6177249 B1 710425 B2 1821097 A 2240667 A1 0868534 A1 124967 A 3439221 B2 2000517161 T 9722719 A1	23-01-2001 23-09-1999 14-07-1997 26-06-1997 07-10-1998 26-07-2000 25-08-2003 26-12-2000 26-06-1997
DE 10117866	A	17-10-2002	DE AU CA WO EP JP US	10117866 A1 9374701 A 2418861 A1 0214862 A2 1350107 A2 2004525341 T 2004086883 A1	17-10-2002 25-02-2002 21-02-2002 21-02-2002 08-10-2003 19-08-2004 06-05-2004
US 5856096	A	05-01-1999	AU WO	7115496 A 9711198 A1	09-04-1997 27-03-1997

## INTERNATIONAL SEARCH REPORT

## Box No. I Nucleotide and/or amino acid sequence(s) (Continuation of item 1.b of the first sheet)

1. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, the international search was carried out on the basis of:

## a. type of material

a sequence listing  
 table(s) related to the sequence listing

## b. format of material

in written format  
 in computer readable form

## c. time of filing/furnishing

contained in the international application as filed  
 filed together with the international application in computer readable form  
 furnished subsequently to this Authority for the purpose of search

2.  In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.

3. Additional comments: